

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON SEPTEMBER 7, 2016</b>
<b>FROM:</b>	<b>JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>BANNISTER MUNICIPAL DRAIN IMPROVEMENTS</b>

<b>RECOMMENDATION</b>
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That, on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer the following actions **BE UNDERTAKEN** with respect to the Bannister Municipal Drain Improvements:

- (a) the drainage report, attached as Appendix A, prepared by Spriet Associates London Ltd, Consulting Engineers for the construction of the Bannister Municipal Drain (2016) **BE ADOPTED**; and it being noted the notice of the public meeting was provided in accordance with the provisions of Section 41 of the *Drainage Act*;
- (b) the proposed by-law attached as Appendix 'B' **BE INTRODUCED** at the Council meeting on September 13, 2016 and **BE GIVEN** two readings to authorize the construction of the Bannister Municipal Drain-2016 project, it being noted that the third reading and enactment of the by-law would occur after the holding of the Court of Revision in connection with the project.

<b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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Civic Works Committee – February 25, 2013 – Appointment of Consultant for the Reconstruction of the Bannister Drain-Remediation Design ES4825-11

<b>BACKGROUND</b>
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**Purpose**

In order to undertake the improvements to the drain, the Province's *Drainage Act* requires a Council resolution to adopt the drainage report and enact the related by-law. An assessment was undertaken to review drainage conditions in the area due to concerns with surface and road flooding. Based on this assessment remedial works to the drain were designed along with the inclusion of a new branch to improve drainage.

**Context**

The proposed work was initiated by a petition from the City of London's Road Authority and from the affected property owners. The submitted petition represents a sufficient number of property owners within the watershed to trigger the construction of drainage works as outlined in the *Drainage Act*.

<b>DISCUSSION</b>
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**Bannister Drain Benefiting Area**

The benefiting area to be serviced by this proposed new branch of the Bannister Municipal Drain is generally located southwest of the Highway 401 and Highway 402

interchange. There have been historical instances of surface flooding on properties within the area and on portions of Westminster Drive. Please refer to Appendix 'C' for a map of the general area.

The Drainage report for the Bannister Municipal Drain was prepared pursuant to Section 4 and 78 of the *Drainage Act*. The request for drainage improvements were studied by Spriet Associates London Limited and are documented in the Engineer's Report. The report includes technical specifications for construction, cost estimates and an assessment of costs to benefitting property owners, in accordance with the provisions of the *Drainage Act*. This report provides an estimated construction cost of \$179,800.00. The report also provides an assessment schedule indicating how the construction costs are to be divided up amongst the benefitting land owners. Generally speaking, the estimated breakdown is shown in Table 1.

Table 1: Assessment Schedule				
	Total Assessment	Provincial Grants	Allowance	Approximate Net
City of London	\$59,824.00	-	-	\$59,824.00
Hydro One & Ministry of Transportation	\$11,196.00	-	-	\$11,196.00
Property Owners	\$108,780.00	\$30,505.00	\$16,540.00	\$132,755.00
<b>Total</b>	<b>\$179,800.00</b>			

A copy of the Engineer's Report has been provided to the landowners and is included as Appendix A.

### **Drainage Act Requirements**

The *Drainage Act* requires a public meeting prior to the adoption of the Engineer's Report and this committee meeting will serve that purpose. All assessed property owners have been notified of this meeting and may be present to express their concerns or pose questions. There is a further opportunity to appeal their assessment prior to construction through the Court of Revision, scheduled for October 2016. Representatives from Spriet Associates London Limited will also attend the meeting to answer any questions regarding the Drainage Report.

The adoption of the municipal drain report and the passing of the associated by-law is an important step towards ensuring access to provincial grants from the Ministry of Agriculture and Food and Rural Affairs, which presently contributes one-third of the total gross costs assessed to agricultural land.

## **CONCLUSIONS**

The drain, when constructed, will be of great benefit to the lands and roads through which it runs and will provide an improved outlet to the lands and roads within the watershed. Once City Council approves the reconstruction of the Bannister Municipal Drain-2016 project as set out in the Drainage Report governed by the *Drainage Act* a tender for these works will be issued and construction undertaken.

### **Acknowledgements**

This report was prepared within the Stormwater Engineering Division by Don Simpson, City of London Drainage Superintendent and Chris McIntosh P.Eng. Environmental Services Engineer.

<b>PREPARED BY:</b>	<b>REVIEWS AND CONCURRED BY:</b>
<b>SCOTT MATHERS, P.ENG, MPA DIVISION MANAGER, STORMWATER</b>	<b>JOHN LUCAS, P.ENG. DIRECTOR, WATER AND WASTEWATER</b>
<b>RECOMMENDED BY:</b>	
<b>JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>	

Attach: Appendix 'A' – Engineer's Report  
Appendix 'B' – By-law  
Appendix 'C' – Location Map

C.c. Pat Shack, Budget Analyst  
Margo Perkowska, Local Improvement and Assessment Analyst  
Mike DeVos, Spriet Associates London Limited